



US00D913521S

(12) **United States Design Patent**
Hong et al.

(10) **Patent No.:** **US D913,521 S**
(45) **Date of Patent:** **** Mar. 16, 2021**

(54) **COMBINATION OF SALIVA COLLECTOR AND TEST DEVICE**

(71) Applicant: **Hangzhou Biotest Biotech Co., LTD.**, Hangzhou (CN)

(72) Inventors: **Liang Hong**, Hangzhou (CN); **Ling Yun**, Hangzhou (CN)

(73) Assignee: **Hangzhou Biotest Biotech Co., Ltd.**, Hangzhou (CN)

(**) Term: **15 Years**

(21) Appl. No.: **29/672,894**

(22) Filed: **Dec. 10, 2018**

(30) **Foreign Application Priority Data**

Aug. 2, 2018 (CN) 201830422072.4

(51) **LOC (13) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/224**

(58) **Field of Classification Search**
USPC D24/107, 108, 112, 121, 127, 129, 133,
D24/186, 216, 222-233; D10/81;
D9/503, 504, 505, 529, 530, 549
CPC A61B 10/0051; A61B 10/0096
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D310,781 S * 9/1990 Scott, III D9/504
- 5,119,830 A * 6/1992 Davis B01L 3/502
422/568
- 6,562,300 B2 * 5/2003 Rosen A61M 25/0612
215/211
- D507,351 S * 7/2005 Birnboim D24/216
- D620,590 S * 7/2010 Wan D24/121
- D631,169 S * 1/2011 Cheeley D24/224

(Continued)

FOREIGN PATENT DOCUMENTS

CN 201930504228.8 * 9/2019

OTHER PUBLICATIONS

Oral-Fluid Saliva Cup S2. Online, published date unknown. Retrieved on Feb. 13, 2020 from URL: <https://www.ultimed.org/produkte/oral-fluid-saliva-cup-s2/>.*

Primary Examiner — Janice Hallmark

Assistant Examiner — Omeed Agilee

(74) *Attorney, Agent, or Firm* — Thomas Horstemeyer, LLP

(57) **CLAIM**

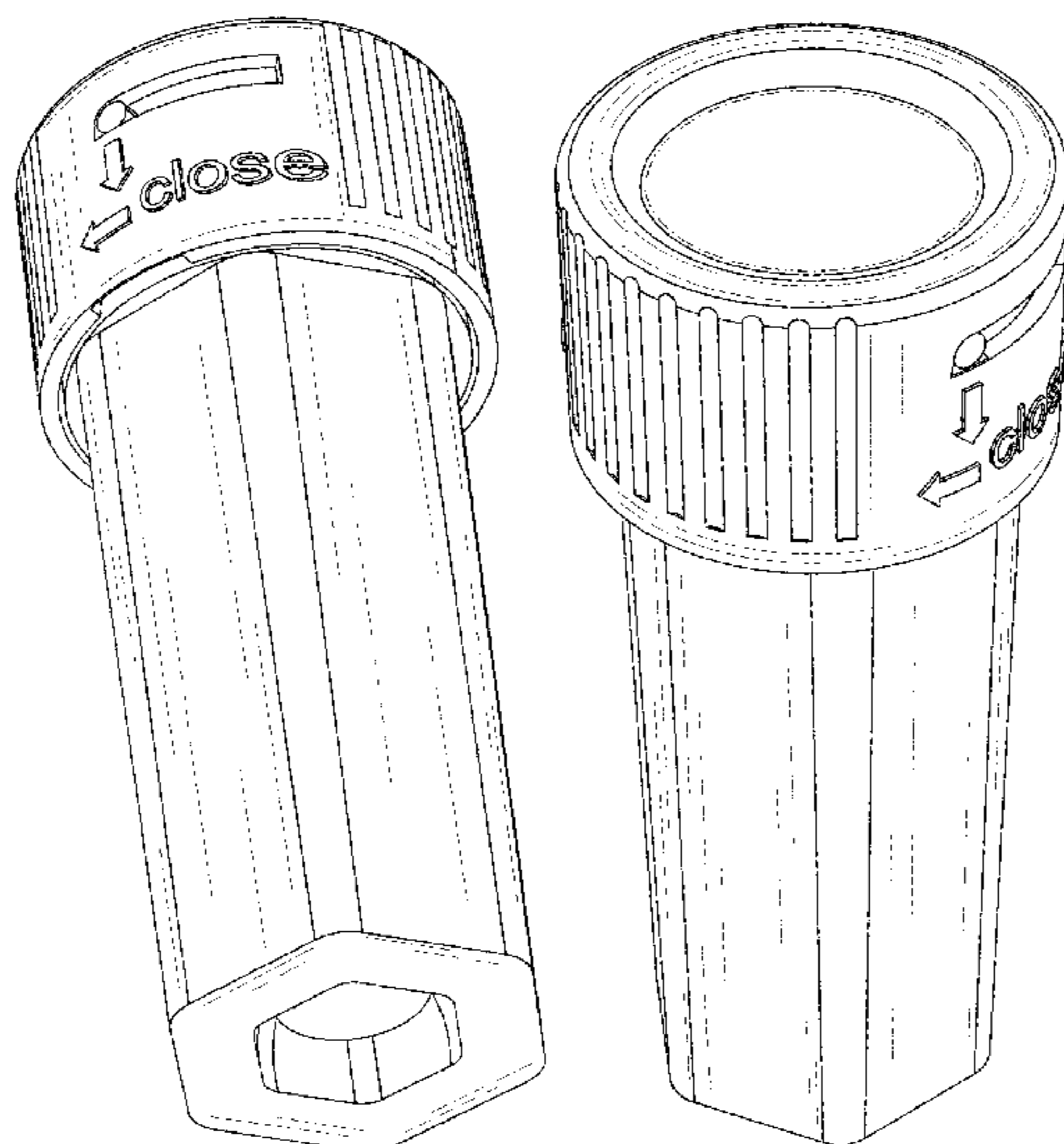
The ornamental design for a combination of saliva collector and test device, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a combination of saliva collector and test device according to the present design;
 FIG. 2 is a back view of the combination of saliva collector and test device of FIG. 1;
 FIG. 3 is a top view of the combination of saliva collector and test device of FIG. 1;
 FIG. 4 is a bottom view of the combination of saliva collector and test device of FIG. 1;
 FIG. 5 is a right view of the combination of saliva collector and test device of FIG. 1;
 FIG. 6 is a left view of the combination of saliva collector and test device of FIG. 1;
 FIG. 7 is a perspective view of the combination of saliva collector and test device of FIG. 1; and,
 FIG. 8 is another perspective view of the combination of saliva collector and test device of FIG. 1.

The evenly spaced broken lines in the drawings depict portions of the saliva collector that form no part of the claimed design. The dot-dash-dot broken lines depict the boundaries of the claim and form no part thereof.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D639,446	S *	6/2011	Smith	D24/224
D677,379	S *	3/2013	Orsing	D24/108
D690,433	S *	9/2013	Karpiloff	D24/224
D741,993	S *	10/2015	Tominaga	D24/108
D743,571	S *	11/2015	Jackson	D24/216
D767,158	S *	9/2016	Wang	D24/223
D767,757	S *	9/2016	Hole	D24/121
D790,726	S *	6/2017	Plante	D24/121
D797,303	S *	9/2017	Wan	D24/224
D852,375	S *	6/2019	Druga, Sr.	D24/224
D860,472	S *	9/2019	Blake	D24/224
D864,774	S *	10/2019	Lei	D10/81
2003/0133844	A1 *	7/2003	Conway	B01L 3/5082 422/400
2009/0308184	A1 *	12/2009	Blekher	A61B 5/1411 73/864.63
2012/0295362	A1 *	11/2012	Bland	G01N 33/946 436/92

* cited by examiner

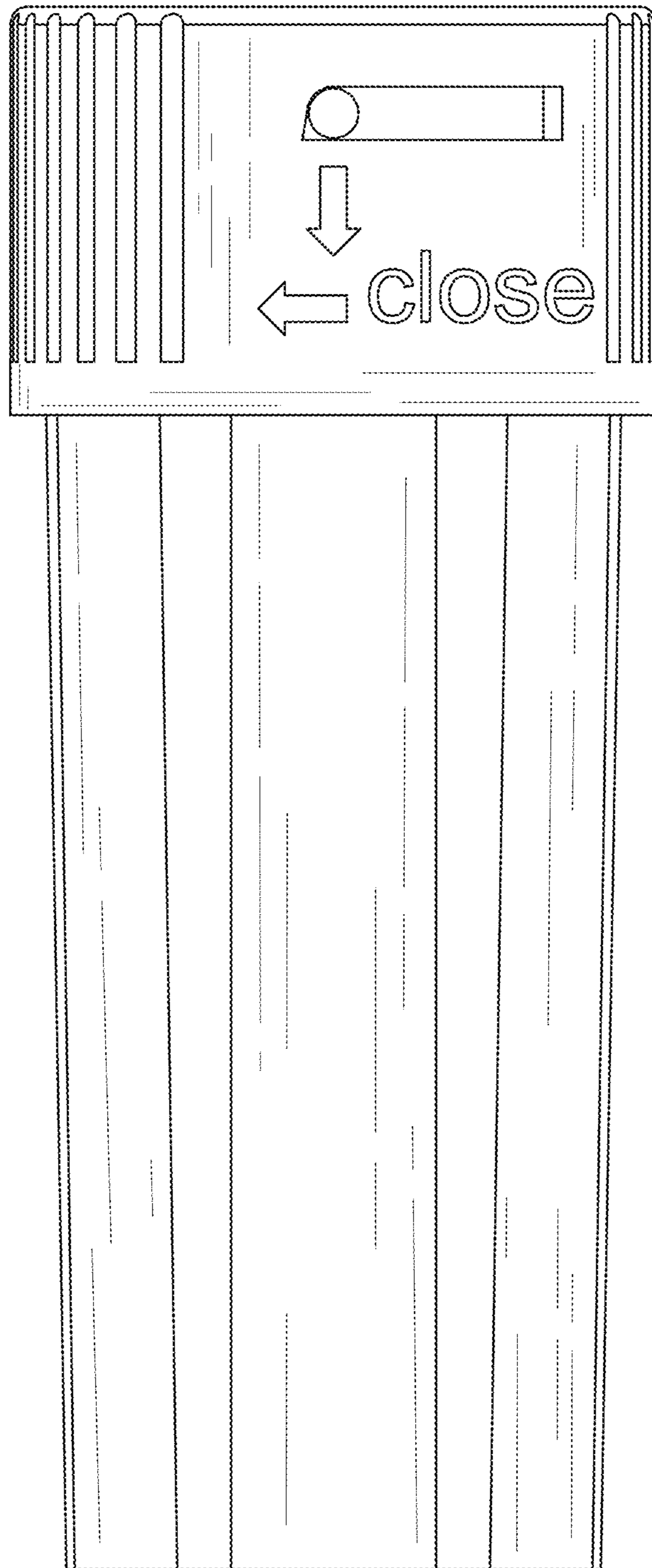


Fig. 1

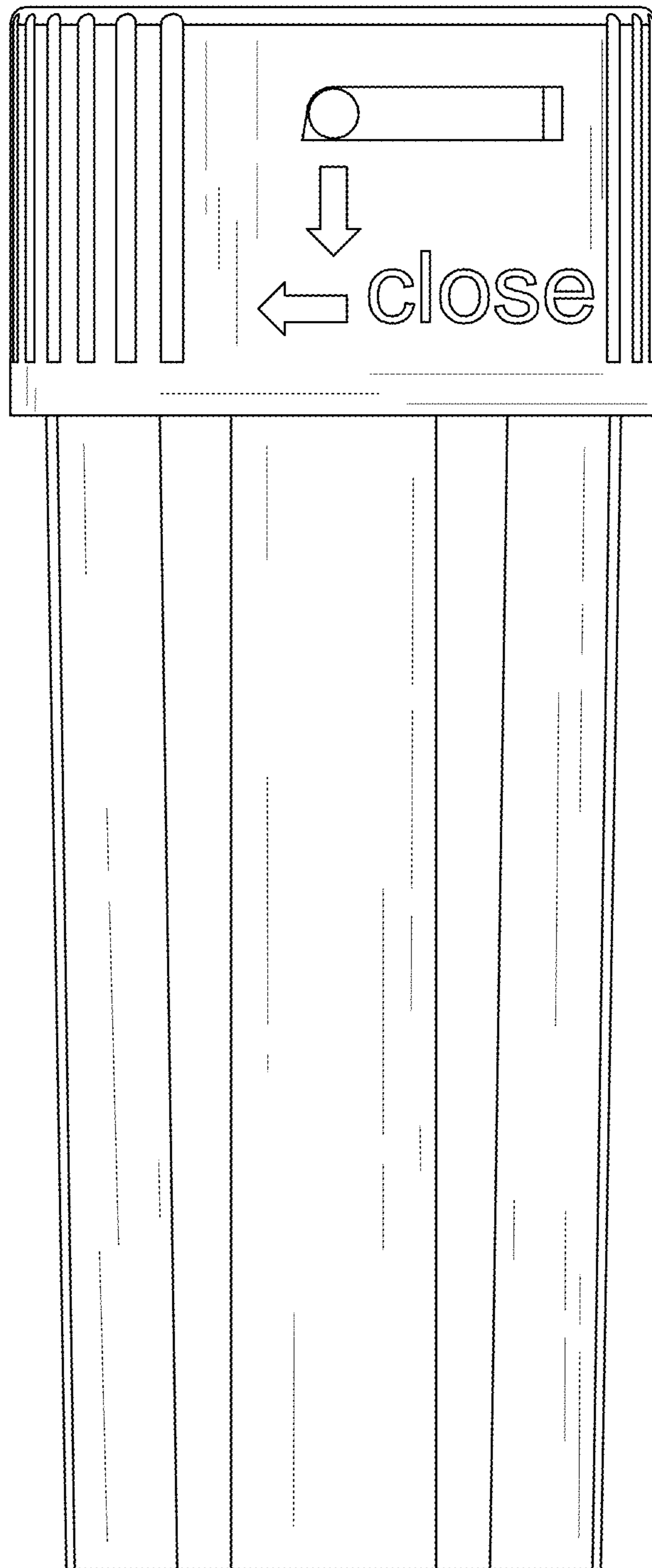


Fig. 2

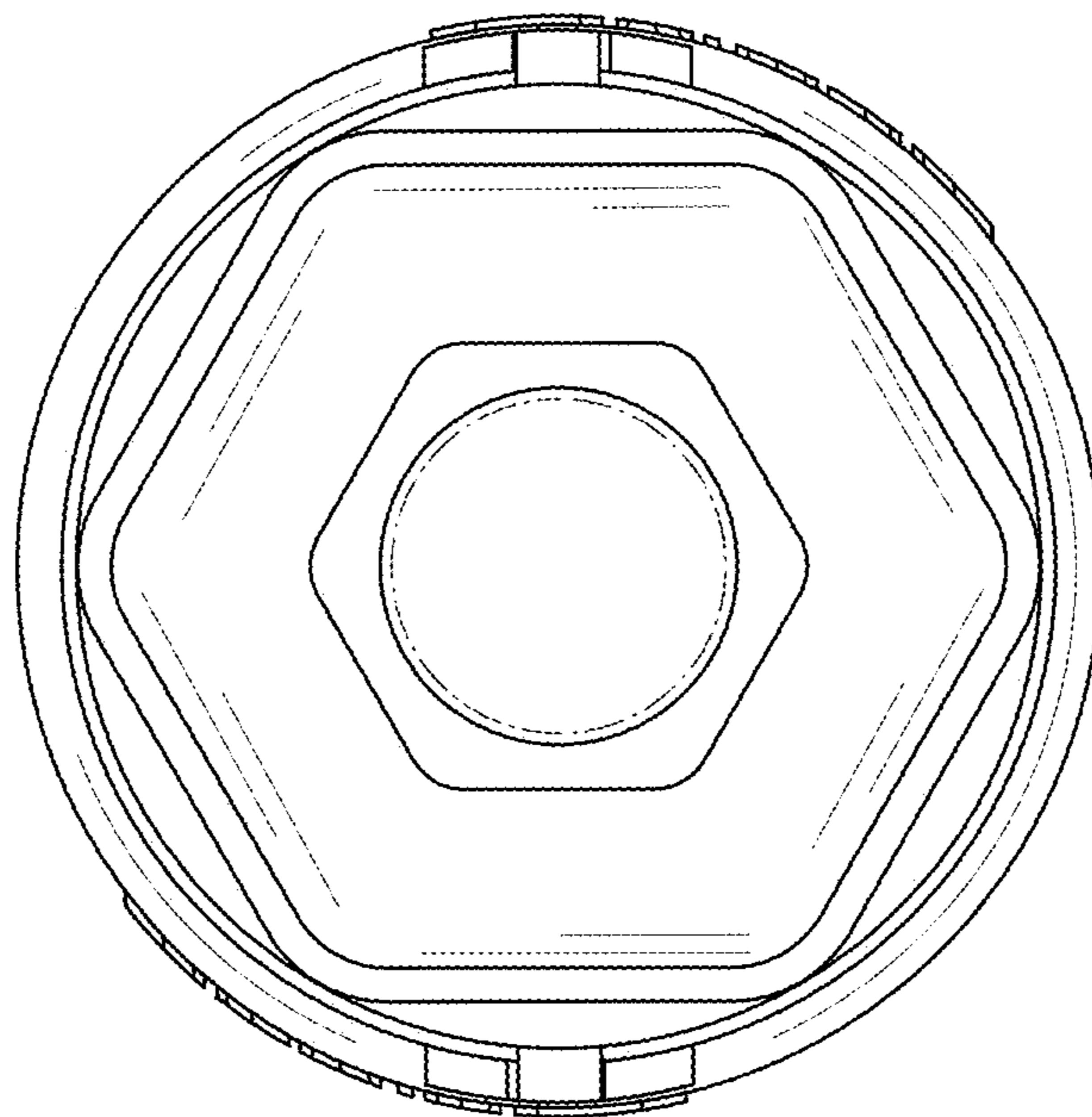


Fig. 3

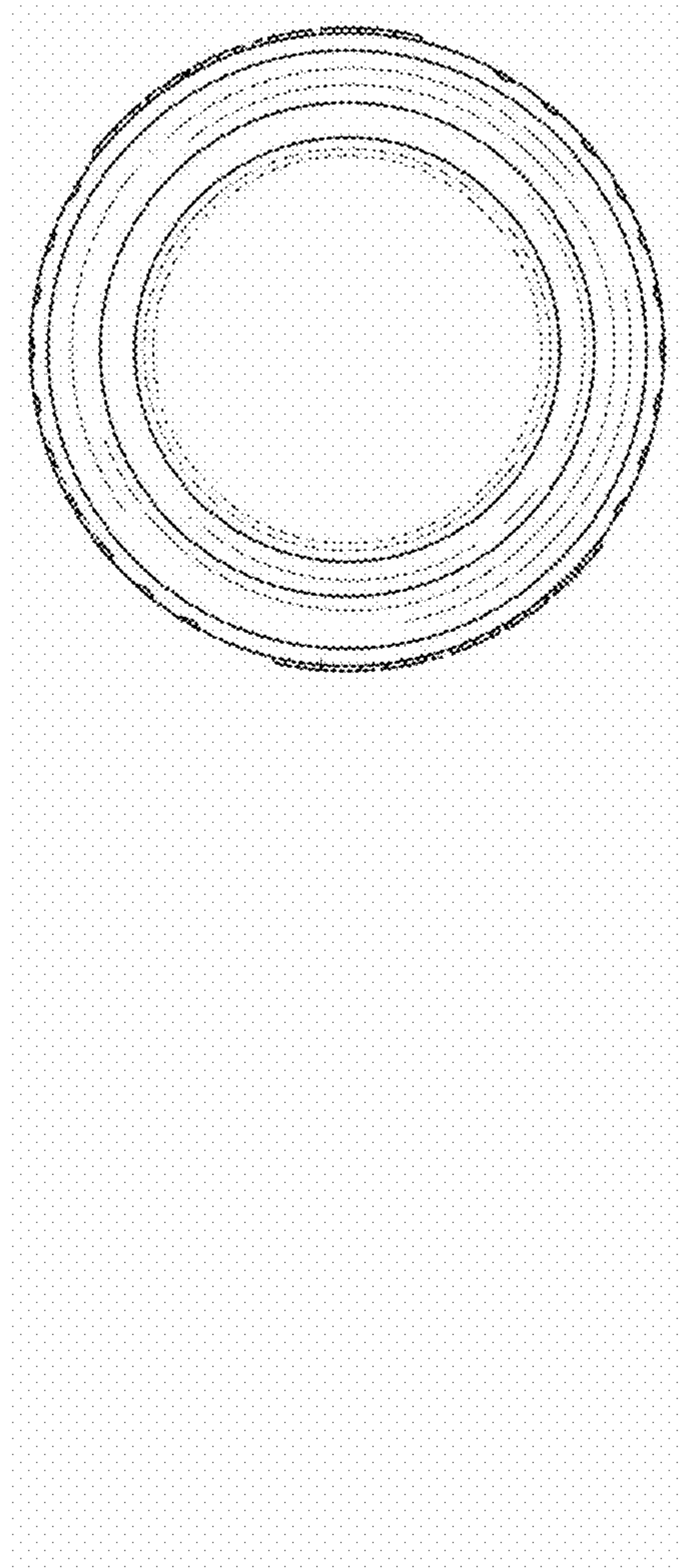


FIG. 4

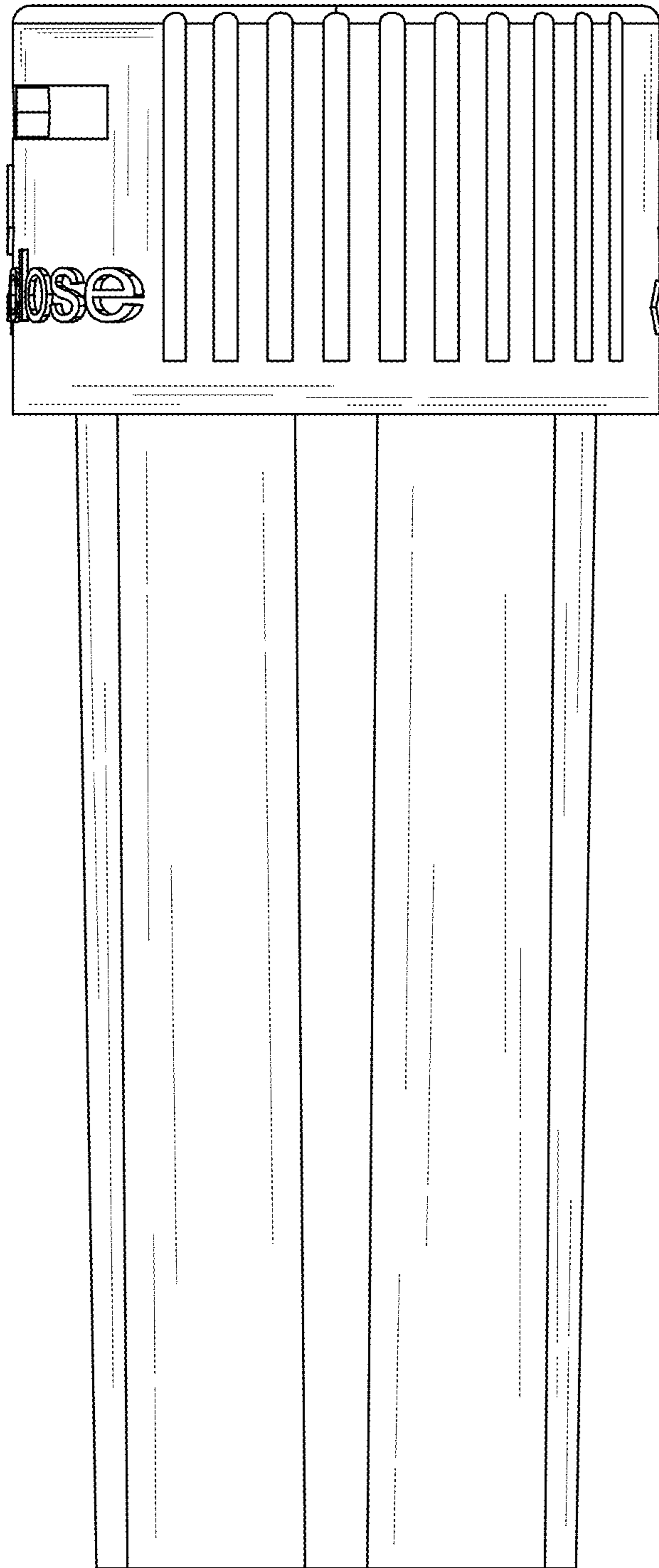


Fig. 5

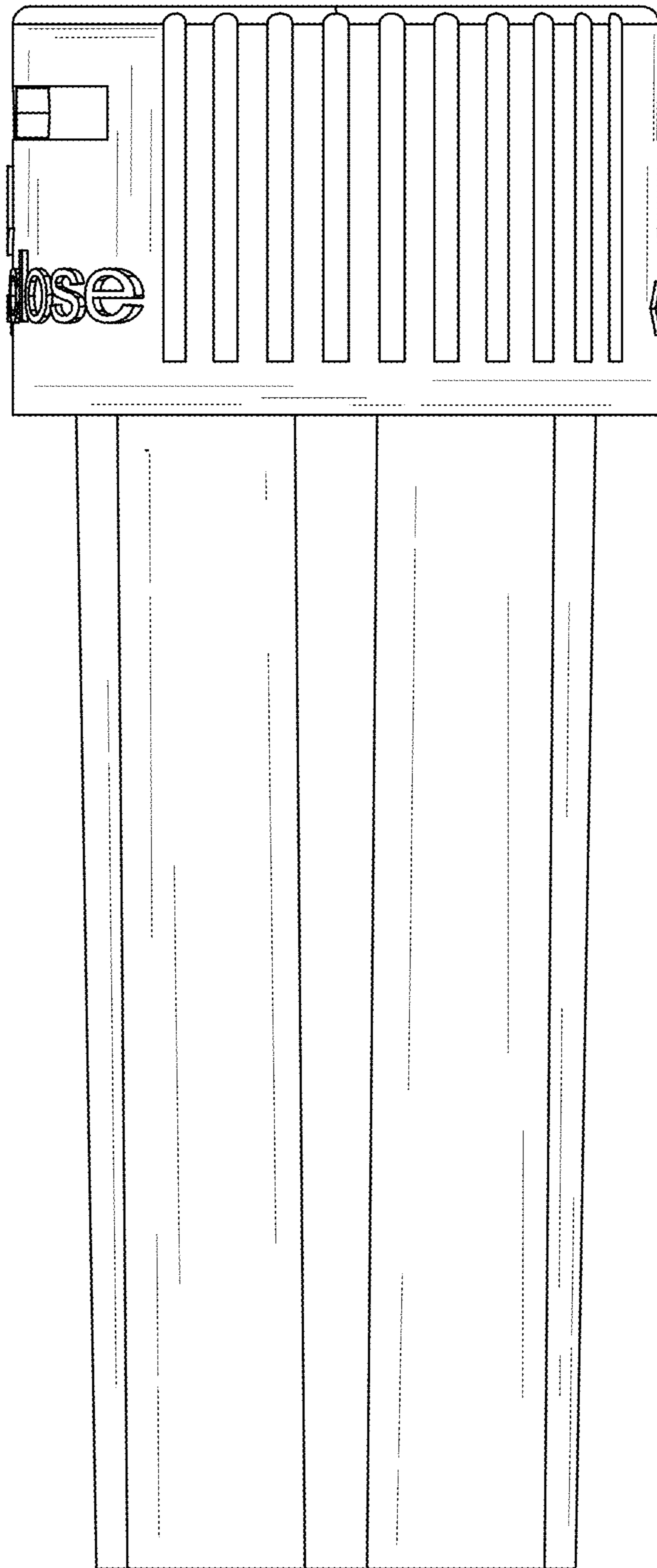


Fig. 6

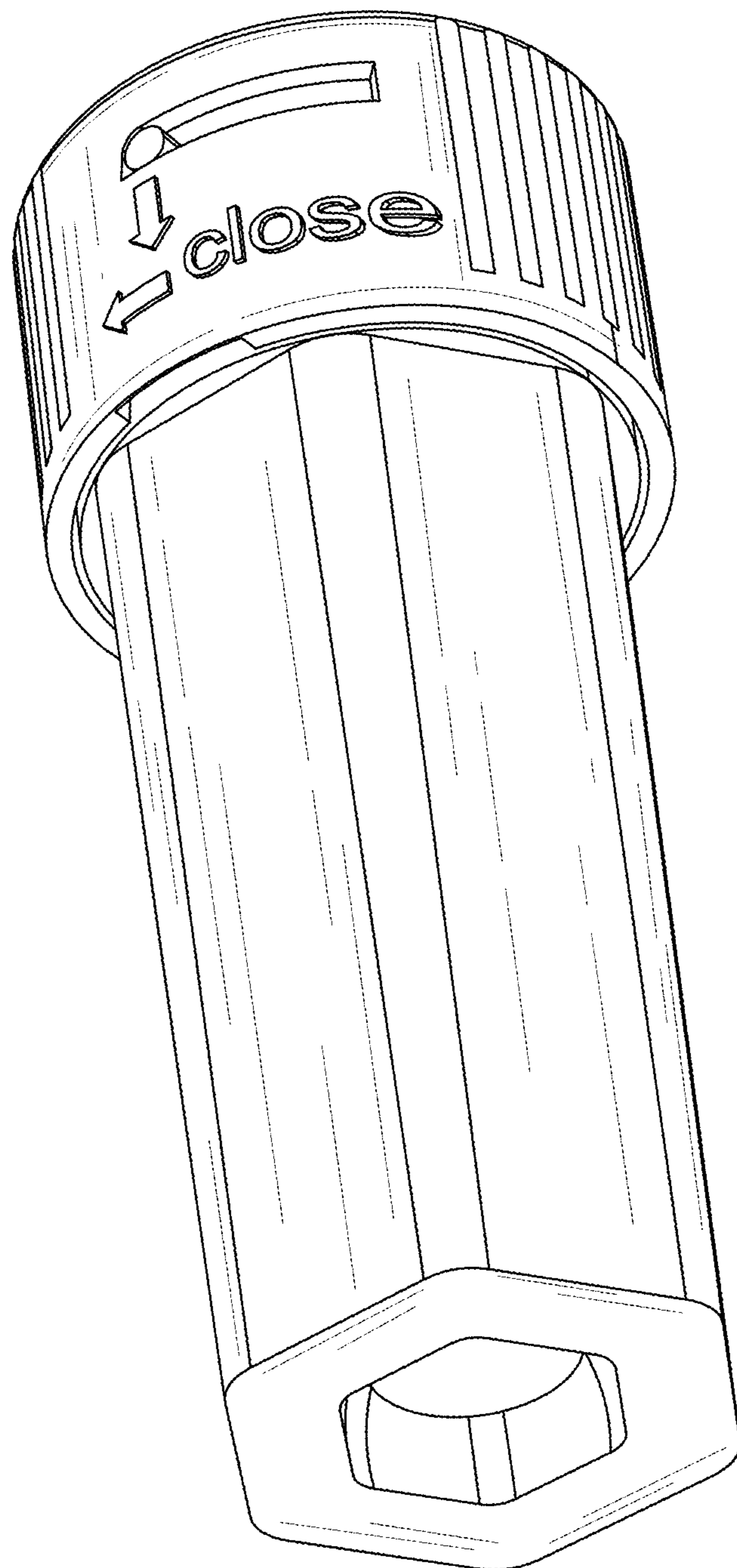


Fig. 7

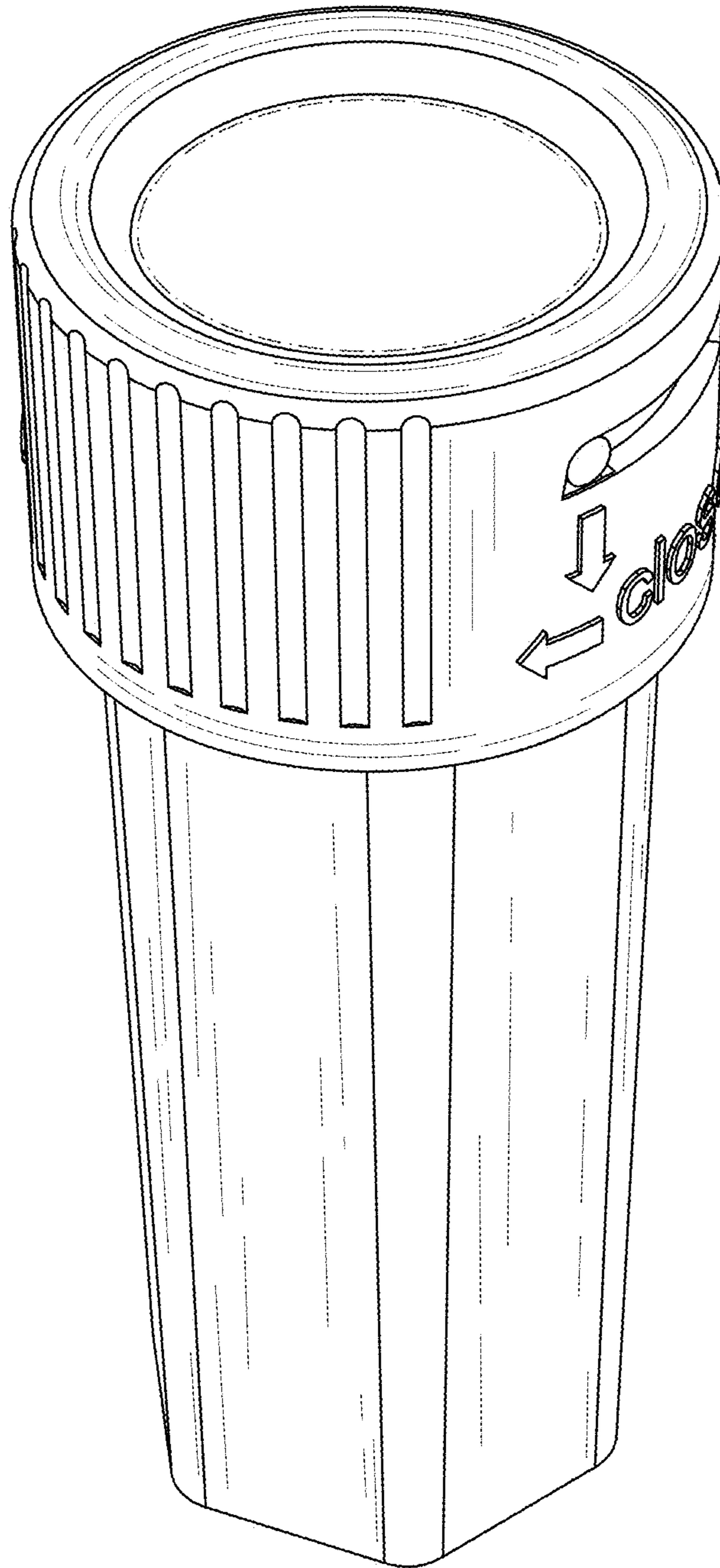


Fig. 8